

MONTANA STATE DEPARTMENT OF FISH AND GAME
FEDERAL AID IN FISH RESTORATION SECTION

HELENA, MONTANA

JOB COMPLETION REPORT
INVESTIGATIONS PROJECTS

State of Montana
Project No. F-8-R-3 Job No. III-B
Title of Job Treatment of the diseases and schooling hatcherymen in
their diagnosis, treatments and prevention.

Abstract:

Due to lack of adequate facilities, no controlled experiments were carried on for the demonstration of specific disease treatments. It is recommended that this job be dropped from the project and the work involving study of the literature and instructing hatcherymen in disease prevention, treatments and diagnosis be included in Job I-A (Development of a manual on trout culture) while the work involving direct assistance in disease treatments be considered part of the trouble-shooter work which is to be carried on the regular state fish hatchery budget.

Objectives:

This phase of the project is directly concerned with preventing excessive and avoidable losses of hatchery stock through diseases.

Techniques Used:

An extensive review of the literature on trout disease and nutrition is being made to keep the project leader informed on the subject and to provide a basis for a hatchery manual for Montana hatcheries. In conjunction with the trouble-shooting work of Job III-A, time was also spent instructing and assisting hatchery foremen in administering treatments.

Findings:

Circumstances did not permit the execution of controlled experiments to demonstrate disease treatments during the report period. Considerable time was spent in the study of literature and correspondence with other workers in the field of trout disease and nutrition. Trout diseases which were encountered are reported under Job II-A (Diagnosis of Montana hatchery and wild trout diseases). In every case effort was made to inform the

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hatchery foremen of the latest and most successful methods of disease prevention, control, and diagnosis. This job also overlaps with Job I-A, (Development of a manual on trout culture). A thorough review of the literature is made on diseases investigated in Montana and this literature review along with the project leader's first hand observations are being included in the hatchery manual which is intended to provide further usable information for fish-culturists in Montana. A copy of the completed sections of this manual is included with the completion report for Job I-A.

Recommendations:

Due to lack of adequate facilities for carrying on designed and controlled experiments with diseases treatments or preventative measures, and the fact that the objectives of this job overlap with jobs I-A and III-A, it is recommended that this job be discontinued. That part of the work which involves direct assistance or instruction at the hatcheries can best be considered as part of the trouble-shooter work which should be carried on regular state game fish production funds. Work involving study of literature and correspondence with other workers interested in trout disease and nutrition should be considered a part of Job I (Development of a manual on trout culture).

Summary:

Instruction and in some cases assistance was given hatcherymen in the diagnosis and treatment of trout diseases reported under Job III-A. No controlled experiments were conducted to demonstrate specific treatments during the report period. It is recommended that this job be dropped as a Federal Aid project as the work involving direct assistance to hatcherymen in the administration of disease treatments should be carried on regular state fish hatchery funds while the work involving study of the literature and instruction of hatcherymen should be a part of Job I-A (Development of a manual on trout culture).

Prepared by Jack E. Bailey Approved by _____

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